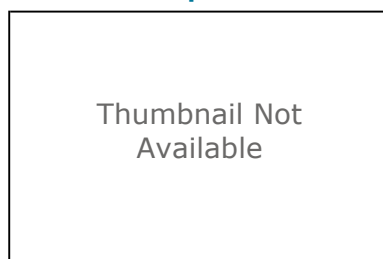


Public Water Supplies

Shapefile



Tags

Environment, ground water, surface water, drinking water, groundwater, public water, wells, New Hampshire, NH

Summary

There are multiple purposes for this dataset for various programs at the New Hampshire Department of Environmental Services (NHDES). Source protection of drinking supplies is likely to be the most frequent user of this database, as are other programs in the Water Supply Engineering Bureau (WSEB). Other NHDES programs, like the Underground Storage Tank (UST) program notify public water systems when new USTs are located within a certain distance from them.

The dataset is used by several programs at NHDES to help maintain other water resources, such as source water protection areas (SWPAs) and wellhead protection areas (WHPAs).

Description

This dataset is a point database representing wells, surface water intakes that are part of a public water supply system permitted through the Water Supply Engineering Bureau of NHDES. Public water system is defined under the Federal Safe Drinking Water Act. Initial development of the Public Water Supplies coverage was performed by a private contractor (NUS Corporation) for the U.S. EPA, Region 1 during the summer field season of 1991. Following receipt of the data, the NHDES Water Supply and Pollution Control Division's Water Supply Engineering and Groundwater Protection Bureaus performed substantial quality control/quality assurance. In addition, the Water Supply Engineering Bureau and the Water Resources Division's Water Management Bureau located numerous sources that had been missed during the initial data collection or had subsequently been constructed or discovered. Most of the dataset was acquired by GPS and differentially corrected, however a small amount was acquired with various paper reference maps.

Credits

NHDES and U.S. EPA

Use limitations

Access to this data is restricted. This data must not be distributed without NHDES approval. The data may not contain all of the potential or existing sites or facilities. NHDES is not responsible for the use or interpretation of this information. It is not intended for legal use.

Extent

West	-72.587973	East	-70.574242
North	45.194239	South	42.694358

Scale Range

Maximum (zoomed in)	1:5,000
Minimum (zoomed out)	1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE environment

CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS New Hampshire, NH

THEME KEYWORDS Environment

THESAURUS ►

TITLE ISO 19115 Topic Category

[Hide Thesaurus ▲](#)

THEME KEYWORDS ground water, surface water, drinking water, groundwater, public water, wells

THESAURUS ►

TITLE EPA GIS Keyword Thesaurus

[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE Public Water Supplies

ALTERNATE TITLES PWS

PUBLICATION DATE 2005-06-30 00:00:00

PRESENTATION FORMATS digital map

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

ORGANIZATION'S NAME New Hampshire Department of Environmental Services

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT Microsoft Windows 7 Professional Service Pack 1; ESRI ArcGIS 10.2.0.3348

CREDITS

NHDES and U.S. EPA

ARCGIS ITEM PROPERTIES

* NAME Public_Water_Supply_Wells

* SIZE 0.148

* LOCATION file://

\\granite\apps\des\GIS\Core_GIS_Datasets\Utilities_and_Communication\Public_Water_Supply_Wells.shp

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

DESCRIPTION

The dataset is updated regularly with newly approved wells or newly located existing wells (ground condition).

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
 WEST LONGITUDE -72.587973
 EAST LONGITUDE -70.574242
 NORTH LATITUDE 45.194239
 SOUTH LATITUDE 42.694358
 EXTENT CONTAINS THE RESOURCE Yes

TEMPORAL EXTENT

BEGINNING DATE 1991-01-01 00:00:00
 ENDING DATE 2013-12-31 00:00:00

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 746722.562500
 * EAST LONGITUDE 1265902.024498
 * SOUTH LATITUDE 72577.828125
 * NORTH LATITUDE 982101.000000
 * EXTENT CONTAINS THE RESOURCE Yes

Hide Extents ▲

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Pierce Rigrod
 ORGANIZATION'S NAME New Hampshire Department of Environmental Services
 CONTACT'S POSITION Environmentalist IV
 CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE (603) 271-0688
 FAX (603) 271-0656

ADDRESS

TYPE

DELIVERY POINT 29 Hazen Drive
 CITY Concord
 ADMINISTRATIVE AREA NH
 POSTAL CODE 03301
 COUNTRY US
 E-MAIL ADDRESS pierce.rigrod@des.nh.gov

Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY quarterly

Hide Resource Maintenance ▲

Resource Constraints ►

LEGAL CONSTRAINTS

ACCESS CONSTRAINTS restricted
USE CONSTRAINTS restricted

OTHER CONSTRAINTS

Public water system data is available upon request and NHDES approval.

CONSTRAINTS

LIMITATIONS OF USE

Access to this data is restricted. This data must not be distributed without NHDES approval. The data may not contain all of the potential or existing sites or facilities. NHDES is not responsible for the use or interpretation of this information. It is not intended for legal use.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
* PROJECTION NAD_1983_StatePlane_New_Hampshire_FIPS_2800_Feet
* COORDINATE REFERENCE DETAILS
 PROJECTED COORDINATE SYSTEM
 WELL-KNOWN IDENTIFIER 102710
 X ORIGIN -17463700
 Y ORIGIN -48257000
 XY SCALE 137246076.82899535
 Z ORIGIN -100000
 Z SCALE 10000
 M ORIGIN -100000
 M SCALE 10000
 XY TOLERANCE 0.0032808333333333331
 Z TOLERANCE 0.001
 M TOLERANCE 0.001
 HIGH PRECISION true
 LATEST WELL-KNOWN IDENTIFIER 3437
 WELL-KNOWN TEXT PROJCS["NAD_1983_StatePlane_New_Hampshire_FIPS_2800_Feet",GEOGCS
 ["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID
 ["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
 ["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER
 ["False_Easting",984250.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-
 71.666666666666667],PARAMETER["Scale_Factor",0.9999666666666667],PARAMETER
 ["Latitude_Of_Origin",42.5],UNIT["Foot_US",0.3048006096012192],AUTHORITY["EPSG",3437]]

REFERENCE SYSTEM IDENTIFIER

VALUE 3437
CODESPACE EPSG
VERSION 7.4.1

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Public_Water_Supply_Wells
* OBJECT TYPE point
* OBJECT COUNT 5549

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Public_Water_Supply_Wells
* FEATURE TYPE Simple

- * GEOMETRY TYPE Point
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 5549
- * SPATIAL INDEX FALSE
- * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

DATA QUALITY REPORT - COMPLETENESS OMISSION ►

MEASURE DESCRIPTION

Older point data, originally obtained by EPA, is being updated with sub-meter GPS technology. Some 1991 point data was not positionally accurate. This dataset does not contain all public water supplies throughout the state.

[Hide Data quality report - Completeness omission ▲](#)

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►

MEASURE DESCRIPTION

Most of the dataset was acquired by GPS and differentially corrected, however a small amount was acquired with various paper reference maps.

[Hide Data quality report - Absolute external positional accuracy ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

PROCESS STEP ►

DESCRIPTION

The majority of the features (~90%) were located using GPS equipment; of these, ~87% are differentially corrected, ~13% are not. Mylar and paper maps at a scale of either 1:24,000 or 1:25,000 were used to compile the non-GPS'ed data. Standard GIS quality control methods were used in compiling digital and non-digital data.

[Hide Process step ▲](#)

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

INDIVIDUAL'S NAME Pierce Rigrod
 ORGANIZATION'S NAME New Hampshire Department of Environmental Services
 CONTACT'S POSITION Environmentalist IV
 CONTACT'S ROLE point of contact

AVAILABLE FORMAT

* NAME Shapefile

ORDERING PROCESS

INSTRUCTIONS

Please contact NHDES for information about acquiring this data layer. To address homeland security concerns, access to some of these datasets is available only to users who present a valid personal identification number (PIN) and password. These datasets have an access constraint set to Upon NHDES Approval. Users can apply for a PIN and password using the OneStop Data Retrieval Registration Form (<https://www2.des.state.nh.us/onestopdataproducers/registrationform.aspx?Id=NEW>). Applicants should be very specific when providing information on the registration form to enable NHDES personnel to determine their eligibility. For more information on what criteria is necessary to receive a PIN/password please visit <http://des.nh.gov/organization/commissioner/pip/factsheets/co/documents/co-14.pdf>. Once the applicant has been provided a PIN/Password, the applicant shall be the sole responsible party for the information they receive using the PIN/Password that has been issued to said party. The applicant shall be responsible for the accuracy of the information submitted in a request for a PIN and Password that will allow said applicant to access certain information held by NHDES. The applicant shall understand by submitting a registration form, said applicant shall be responsible for the PIN and Password they receive and for any and all information collected using the PIN and Password, and that NO LIABILITY IS INCURRED BY THE STATE by reason of providing the requested access.

TRANSFER OPTIONS

* TRANSFER SIZE 0.143

ONLINE SOURCE

* LOCATION file:///\\hazdesfp2\gis\gwp30\pws.shp
 * ACCESS PROTOCOL Local Area Network
 * DESCRIPTION Downloadable Data

Hide Distributor ▲

DISTRIBUTION FORMAT

NAME Shapefile

TRANSFER OPTIONS

TRANSFER SIZE 1.775

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT Public_Water_Supply_Wells ►

* TYPE Feature Class
 * ROW COUNT 5549

DEFINITION

Public water system (PWS) is defined as a system that provides water via piping or other constructed conveyances for human consumption to at least 15 service connections or serves an average of at least 25 people for at least 60 days each year.

DEFINITION SOURCE

NHDES

FIELD FID ►

* ALIAS FID
 * DATA TYPE OID
 * WIDTH 4
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

[Hide Field FID ▲](#)

FIELD **Shape** ►

- * **ALIAS** Shape
- * **DATA TYPE** Geometry
- * **WIDTH** 0
- * **PRECISION** 0
- * **SCALE** 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Coordinates defining the features.

[Hide Field Shape ▲](#)

FIELD **DESID** ►

- * **ALIAS** DESID
- * **DATA TYPE** Double
- * **WIDTH** 11
- * **PRECISION** 11
- * **SCALE** 0

FIELD DESCRIPTION

A number field showing internal NHDES feature ID number used for GIS mapping programs.

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Unique internal ID defined by NHDES.

[Hide Field DESID ▲](#)

FIELD **MASTERID** ►

- * **ALIAS** MASTERID
- * **DATA TYPE** Double
- * **WIDTH** 11
- * **PRECISION** 11
- * **SCALE** 0

FIELD DESCRIPTION

A number field showing the NHDES (universal) ID for the facility.

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Unique site identifier. It is an internal tracking ID number within NHDES's One Stop Data System.

[Hide Field MASTERID ▲](#)

FIELD **PWSID** ►

* **ALIAS** PWSID
 * **DATA TYPE** String
 * **WIDTH** 11
 * **PRECISION** 0
 * **SCALE** 0

FIELD DESCRIPTION

Combined System-Source/Entity ID. The first 7-digit number of the Public Water System (PWS) ID is generated by NHDES' Water Supply Engineering Bureau staff. The three digits following the PWS ID identify sources and/or entities attached to the PWS.

DESCRIPTION SOURCE
 NHDES

Hide Field PWSID ▲

FIELD SYSTEM_ID ►

* **ALIAS** SYSTEM_ID
 * **DATA TYPE** String
 * **WIDTH** 7
 * **PRECISION** 0
 * **SCALE** 0

FIELD DESCRIPTION

The state-assigned value which identifies the Water System Facility for which the reported locational data applies.

DESCRIPTION SOURCE
 NHDES

DESCRIPTION OF VALUES
 Unique identifier set by NHDES.

Hide Field SYSTEM_ID ▲

FIELD SOURCE ►

* **ALIAS** SOURCE
 * **DATA TYPE** String
 * **WIDTH** 3
 * **PRECISION** 0
 * **SCALE** 0

FIELD DESCRIPTION

A numeric value used to uniquely identify a specific source of water or entity for a public water system.

DESCRIPTION SOURCE
 NHDES

Hide Field SOURCE ▲

FIELD DATASOURCE ►

* **ALIAS** DATASOURCE
 * **DATA TYPE** String
 * **WIDTH** 15
 * **PRECISION** 0
 * **SCALE** 0

FIELD DESCRIPTION

A text field indicating how the feature location was determined.

DESCRIPTION SOURCE
 NHDES

LIST OF VALUES

VALUE DES-GPS/C

DESCRIPTION The feature was GPS located by DES and differentially corrected.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE DES-GPS/W

DESCRIPTION The GPS point was obtained through community well permit submittal.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE EPA-GPS/UC

DESCRIPTION The feature was GPS located by EPA but not differentially corrected.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE NUS-GPS/C

DESCRIPTION The feature was GPS located by EPA contractor and differentially corrected.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE NUS-GPS/UC

DESCRIPTION The feature was GPS located by EPA contractor and not differentially corrected.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE WSEB-DIG

DESCRIPTION The feature was located using tape and compass and digitized off mylar basemap.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE WSEB-GPS/C

DESCRIPTION The feature was GPS located by WSEB staff and differentially corrected.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

Hide Field DATASOURCE ▲

FIELD TILE_ ►

* ALIAS TILE_

* DATA TYPE SmallInteger

* WIDTH 3

* PRECISION 3

* SCALE 0

FIELD DESCRIPTION

A number field holding the GRANIT tile number.

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

A unique number developed by GRANIT that reflects the basic tiles or modules corresponding to the USGS 7.5' quadrangles.

Hide Field TILE_ ▲

FIELD EST_HA ►

* ALIAS EST_HA

* DATA TYPE Double

* WIDTH 11

* PRECISION 11

* SCALE 0

Hide Field EST_HA ▲

FIELD NAME ►

* ALIAS NAME

* DATA TYPE String

* WIDTH 30

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The name can be the formal, legal, or common name that is used most generally in referring to

the water system. When multiple facilities exist for the water system at different physical locations, the name identifies the means by which the system, as a whole, is generally known.

DESCRIPTION SOURCE

EPA

Hide Field NAME ▲

FIELD ADDRESS ►

* ALIAS ADDRESS

* DATA TYPE String

* WIDTH 60

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

A text field displaying the street address of the system location.

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Address where the water system is located (not source or entity).

Hide Field ADDRESS ▲

FIELD TOWN ►

* ALIAS TOWN

* DATA TYPE String

* WIDTH 36

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

A text field displaying the town in which the system is located, identified using the street address.

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Town where the system is located as registered with NHDES.

Hide Field TOWN ▲

FIELD SYSTEM_ACT ►

* ALIAS SYSTEM_ACT

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

A code value that categorizes the activity of the water system and the water system facility.

DESCRIPTION SOURCE

EPA

LIST OF VALUES

VALUE A

DESCRIPTION The water system is Active.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE I

DESCRIPTION The water system is Inactive. Inactive status indicates it no longer meets the criteria of a

PWS.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

DESCRIPTION OF VALUES

-

Hide Field SYSTEM_ACT ▲

FIELD SYSTEM_TYP ►

* ALIAS SYSTEM_TYP
 * DATA TYPE String
 * WIDTH 1
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A code value which classifies the type of public water system according to federal and state requirements.

DESCRIPTION SOURCE

EPA

LIST OF VALUES

VALUE C
 DESCRIPTION Community system
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE P
 DESCRIPTION Non-transient, non community systems (i.e. schools, hospitals, businesses etc.).
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE N
 DESCRIPTION Transient, non-community systems (i.e. hotels, restaurants, campgrounds etc.).
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

Hide Field SYSTEM_TYP ▲

FIELD POPULATION ►

* ALIAS POPULATION
 * DATA TYPE Integer
 * WIDTH 6
 * PRECISION 6
 * SCALE 0

FIELD DESCRIPTION

Total daily retail population served not to exceed 9 million.

DESCRIPTION SOURCE

EPA

DESCRIPTION OF VALUES

The population served is provided by the water system or applicant and is determined by NHDES' Water Supply Engineering Bureau using the number of service connections multiplied by 2.5 (persons).

Hide Field POPULATION ▲

FIELD SOURCE_ACT ►

* ALIAS SOURCE_ACT
 * DATA TYPE String
 * WIDTH 1
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Refers to the activity status (use) of the source/entity.

DESCRIPTION SOURCE

NHDES

LIST OF VALUES

VALUE A

DESCRIPTION The water source is Active.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE I

DESCRIPTION The water source is Inactive. Inactive status indicates that it is no longer used as a PWS source/entity.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

DESCRIPTION OF VALUES

-

Hide Field SOURCE_ACT ▲

FIELD SOURCE_TYP ►

* ALIAS SOURCE_TYP

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Refers to the type of source of the drinking water.

DESCRIPTION SOURCE

NHDES

LIST OF VALUES

VALUE G

DESCRIPTION Groundwater

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE B

DESCRIPTION Blend

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE E

DESCRIPTION Entity/treatment facility

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE S

DESCRIPTION Surface water

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

Hide Field SOURCE_TYP ▲

FIELD SOURCE_REC ►

* ALIAS SOURCE_REC

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Source Record Code and Water Type

DESCRIPTION SOURCE

NHDES

LIST OF VALUES

VALUE	CH				
DESCRIPTION	Common header				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	DP				
DESCRIPTION	Dual plumbing				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	EA				
DESCRIPTION	Surface, non-purchased				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	EB				
DESCRIPTION	Surface, non-purchased, emergency				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	EC				
DESCRIPTION	Groundwater, non-purchased				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	ED				
DESCRIPTION	Groundwater, non-purchased, emergency				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	FM				
DESCRIPTION	Flow mix				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	PH				
DESCRIPTION	Wellhead				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	PI				
DESCRIPTION	Intake				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	PM				
DESCRIPTION	Pumping facility				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	PO				
DESCRIPTION	Other plant or facility				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	PR				
DESCRIPTION	Storage facility				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	PT				
DESCRIPTION	Treatment plant				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	SG				
DESCRIPTION	Groundwater, non-purchased				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	SP				
DESCRIPTION	Surface, purchased				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	SS				
DESCRIPTION	Surface, non-purchased				
ENUMERATED	DOMAIN	VALUE	DEFINITION	SOURCE	NHDES
VALUE	ST				

DESCRIPTION Storage tank
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SW
 DESCRIPTION Groundwater, purchased
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SY
 DESCRIPTION Groundwater/under direct influence (UDI)
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SZ
 DESCRIPTION Groundwater/UDI, purchased
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

Hide Field SOURCE_REC ▲

FIELD WELL_TYPE ►

* ALIAS WELL_TYPE
 * DATA TYPE String
 * WIDTH 3
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A code value which classifies the type of well.

DESCRIPTION SOURCE
 NHDES

LIST OF VALUES

VALUE ART
 DESCRIPTION Artesian well
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE BRW
 DESCRIPTION Bedrock well
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE DUG
 DESCRIPTION Dug well
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE GPW
 DESCRIPTION Gravel packed well
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE GRW
 DESCRIPTION Gravel well
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE INF
 DESCRIPTION Infiltration well
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PTW
 DESCRIPTION Point well
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SPR
 DESCRIPTION Spring
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

Hide Field WELL_TYPE ▲

FIELD WELL_DEPTH ►

* **ALIAS** WELL_DEPTH
 * **DATA TYPE** SmallInteger
 * **WIDTH** 4
 * **PRECISION** 4
 * **SCALE** 0

FIELD DESCRIPTION

Depth of well in feet.

DESCRIPTION SOURCE

NHDES

Hide Field WELL_DEPTH ▲

FIELD SRC_DELIN ►

* **ALIAS** SRC_DELIN
 * **DATA TYPE** String
 * **WIDTH** 3
 * **PRECISION** 0
 * **SCALE** 0

FIELD DESCRIPTION

Denotes how the protection area around the wells has been delineated.

DESCRIPTION SOURCE

NHDES

LIST OF VALUES

VALUE DEF

DESCRIPTION Default 4000 ft circle. Phase I delineation effort produced the max area used.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PH1

DESCRIPTION Phase I delineation based on hydrogeologic data.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE MP1

DESCRIPTION Phase I modified by new data.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE NW2

DESCRIPTION This code is given to all large community wells (>40 gpm) permitted by the Community Well Program and bottled water sources approved after April 2007. The WHPA delineation is determined by advanced hydrologic methods that include pumping tests and groundwater investigation tools designed to evaluate the area of influence of the withdrawal. The WHPA volume entered in the DWGB database may be determined in the same fashion as that for NW1 wells, a cumulative volume. This is a Phase II delineation.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE DSN

DESCRIPTION Fixed radius based on design flow under system approval.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE SYV

DESCRIPTION Fixed radius based on reported safe yield.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE W

DESCRIPTION Fixed radius based on max daily withdrawal reported under NHDES sampling waiver program.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE PS

DESCRIPTION Fixed radius based on max daily withdrawal reported during a NHDES telephone survey.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

VALUE NW1

DESCRIPTION This code is given to community bedrock wells that have been approved through the

Community Well Program. In most cases, these are wells where the withdrawal volume is less than 57,600 gpd. The withdrawal volume of the well (PPV) has been determined by a constant-rate pumping test. The WHPA volume in multiple well cases is a cumulative withdrawal volume for all new and existing wells. This may mean adding up PPVs and/or withdrawal volumes of the individual wells in a wellfield to obtain the cumulative volume. The exceptions are any wells not in a contiguous wellfield or wells installed in different aquifers. If there is a single well, the WHPA volume equals the PPV. In a very few cases this code will be associated with a P system well where the water system has been reclassified from a C. This is a Phase I delineation.

[ENUMERATED DOMAIN VALUE DEFINITION SOURCE](#) NHDES

VALUE SWI

DESCRIPTION Watershed delineation for surface water intake (where topography does not indicate a definitive divide the larger area is included: e.g. where a wetland is located in a saddle between two ridges the watershed delineation includes all of the wetland).

VALUE GSW

DESCRIPTION Watersheds for wells identified as being under the influence of surface water. Delineation is a combination of groundwater contribution identified using Phase I methodology and the surface water contribution identified using methodology applied to surface water intakes.

[ENUMERATED DOMAIN VALUE DEFINITION SOURCE](#) NHDES

VALUE PH2

DESCRIPTION This code is given to production wells where the WHPA was delineated using advanced hydrologic methods that include pumping tests and groundwater investigation tools designed to evaluate the area of influence of the withdrawal. These wells were already active when the new Community Well Program began and do not have PPVs. The majority of these wells will be overburden, but a few may be large bedrock wells. This is Phase II delineation.

[ENUMERATED DOMAIN VALUE DEFINITION SOURCE](#) NHDES

VALUE PHN

DESCRIPTION This code is given to overburden community wells (large prior to large groundwater withdrawal permitting and all small) that have received approval through the Community Well Program. The WHPA is delineated using basic hydrologic methods such as the Uniform Flow Equation. The WHPA volume is derived as for NW1 wells. This is a Phase I delineation.

[ENUMERATED DOMAIN VALUE DEFINITION SOURCE](#) NHDES

VALUE PHE

DESCRIPTION This code is given to overburden wells that pre-date the Community Well Program. The WHPA is delineated using basic hydrologic methods such as the Uniform Flow Equation. The WHPA volume is usually based on withdrawal from the well or combined withdrawal for Updated multiple wells in the wellfield. Both C and P system wells are included in this code category and they may be large or small wells. This is a Phase I delineation.

[ENUMERATED DOMAIN VALUE DEFINITION SOURCE](#) NHDES

VALUE PHV

DESCRIPTION This code is used when a Phase I delineation is updated using stratified drift aquifer or lineament mapping, watershed boundaries, or any other methods that are not advanced hydrologic and groundwater investigation tools designed to evaluate the area of influence of the withdrawal. This is a Phase I delineation.

[ENUMERATED DOMAIN VALUE DEFINITION SOURCE](#) NHDES

VALUE PHO

DESCRIPTION This code is given to overburden wells that have a circular WHPA based on the withdrawal volume from the well. These WHPAs are subject to future review and revision. This is a Phase I delineation.

[ENUMERATED DOMAIN VALUE DEFINITION SOURCE](#) NHDES

VALUE WVR

DESCRIPTION This code includes all wells connected to systems that actively participate in the waiver program that are not otherwise coded as above. The WHPA volume is derived from reported water use (meter readings) or from estimation methods. These methods include use of the approved or estimated system design flow, yield of the well, or the water system operator's best guess if no other information about the well or system is available.

[ENUMERATED DOMAIN VALUE DEFINITION SOURCE](#) NHDES

VALUE OTH

DESCRIPTION This code is given to wells connected to a water system that does not have an active

WHPP. The WHPA volume is derived using the same methods as for WVR. All new P system wells should be given this code unless they are overburden wells. In those cases the Engineering Section should request technical assistance from the Community Well Program staff to delineate the WHPA.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NHDES

[Hide Field SRC_DELIN ▲](#)

FIELD WHPA_VOL ►

* ALIAS WHPA_VOL
 * DATA TYPE Double
 * WIDTH 11
 * PRECISION 11
 * SCALE 0

FIELD DESCRIPTION

The maximum extraction rate used to delineate the wellhead protection area (WHPA).

DESCRIPTION SOURCE

NHDES

[Hide Field WHPA_VOL ▲](#)

FIELD PROVOL ►

* ALIAS PROVOL
 * DATA TYPE Double
 * WIDTH 11
 * PRECISION 11
 * SCALE 0

FIELD DESCRIPTION

Permitted production volume or amount of water to be extracted from water source.

DESCRIPTION SOURCE

NHDES

[Hide Field PROVOL ▲](#)

FIELD YIELD ►

* ALIAS YIELD
 * DATA TYPE Double
 * WIDTH 20
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Yield in gallons per minute (GPM) for groundwater and million gallons per day (MGD) for surface sources.

[Hide Field YIELD ▲](#)

FIELD X_COORD ►

* ALIAS X_COORD
 * DATA TYPE Double
 * WIDTH 20
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A number field showing longitude coordinates in New Hampshire NAD 83 State Plane (US Feet).

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Coordinate Value defining the feature.

[Hide Field X_COORD ▲](#)

FIELD Y_COORD ►

* ALIAS Y_COORD
 * DATA TYPE Double
 * WIDTH 20
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

A number field showing latitude coordinates in New Hampshire NAD 83 State Plane (US Feet).

DESCRIPTION SOURCE

NHDES

DESCRIPTION OF VALUES

Coordinate Value defining the feature.

[Hide Field Y_COORD ▲](#)

[Hide Details for object Public_Water_Supply_Wells ▲](#)

OVERVIEW DESCRIPTION ►

ENTITY AND ATTRIBUTE OVERVIEW

The dataset includes attributes about drinking water systems – wellfields or surface water supplies including the unique identifier from EPA (System_ID), the system's name, address, town, whether the system is active or inactive, the population it serves, its required protection area, well type, well depth and yield. The attribute information is updated by the NHDES Water Supply Engineering Bureau and the point data is updated by Watershed Management Bureau and the Oil Remediation and Compliance Bureau.

[Hide Overview Description ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME dataset

LAST UPDATE 2014-02-10

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
 STANDARD OR PROFILE USED TO EDIT METADATA FGDC
 METADATA STYLE North American Profile of ISO19115 2003

CREATED IN ARCGIS FOR THE ITEM 2015-04-06 10:47:09

LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-04-15 15:41:54

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2016-04-15 15:41:54

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Pierce Rigrod

ORGANIZATION'S NAME New Hampshire Department of Environmental Services

CONTACT'S POSITION Environmentalist IV

CONTACT'S ROLE point of contact

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